

Claims

1. A wall-mounting structure for supporting an object to be supported on the wall surface of a room, comprising:

a mounting plate to which an object to be supported is fixed; and slide support members for movably supporting the mounting plate on the wall surface, characterized in that each of the slide support members is composed of a track rail and moving blocks which can move along the track rail.

2. A wall-mounting structure according to claim 1, characterized in that the track rail of the slide support member has a substantially rectangular section and ball rolling surfaces formed on both side surfaces of the track rail, while each of the moving blocks is formed in a saddle shape with a guide groove being loosely mated with a part of the track rail and assembled with the track rail through a large number of balls.

3. A wall-mounting structure according to claim 2, characterized in that: accommodating grooves extending in the moving direction of the object to be supported are formed in the wall surface; and the slide support members are buried in the accommodating grooves.

4. A wall-mounting structure according to claim 3, wherein the track rail is fixed in the accommodating groove, while the moving

block moving along the track rail is fixed to the mounting plate.

5. A wall-mounting structure according to claim 3, characterized in that the track rail is fixed to the mounting plate, while the moving block moving along the track rail is fixed in the accommodating groove.

6. A wall-mounting structure according to claim 3, characterized in that the mounting plate is coupled to the track rails or the moving blocks of the slide support members by connecting arms; and a decorative curtain for covering the slide support members fixed in the accommodating groove is provided at the opening of the accommodating groove.

7. A wall-mounting structure according to claim 6, characterized in that slits are formed in the decorative curtain at predetermined intervals in the longitudinal direction of the accommodating groove.

8. A wall-mounting structure according to claim 6, characterized in that each of the connecting arms is provided with a collar bite preventing board between a contact portion with the decorative curtain thereof and a coupling portion with the slide support member thereof.

9. A wall-mounting structure according to claim 3, characterized in that a accommodating groove to be mated with a part of the moving block is formed in the wall surface, while the track rail movably assembled with the moving member together with the moving member moves on the wall surface without being buried in the wall surface.

10. A wall-mounting structure according to claim 2, characterized in that the slide support members are fixed on the wall surface through a base member, accommodating grooves to be mated with parts of the moving blocks are formed in the base member, while the track rails movably assembled with the moving members together with the moving members move on the surface of the base member without being buried in the base member.